Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	touch near3 sensitive near20 portable near3 audio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/06 18:04
L2	131	touch near3 sensitive near5 display and portable near5 (audio music multimedia)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/06 18:05
L3	73	touch near3 sensitive near5 display and portable near5 audio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/06 18:32
L4	43	700/94.ccls. and power near5 (sav$3 conserv$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/06 18:33
L5	30	700/94.ccls. and power near5 (sav$3 conserv$5) and (hard?drive hard?disk hard?disc cd-rom cd)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/06 18:34
L6	32	700/94.ccls. and power near5 (sav$3 conserv$5) and (hard?drive hard?disk hard?disc cd-rom cd (hard) adj (drive disc disk))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/06 18:34
S1	1	("6332175").PN.	USPAT	OR	OFF	2005/04/04 16:44
S2	8	("5608698" | "5617386" | "5740143" | "5822288" | "5867457" | "5870710" | "5896352" | "6076063").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/04 16:53
S3	8	("5608698" | "5617386" | "5740143" | "5822288" | "5867457" | "5870710" | "5896352" | "6076063").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/04/04 16:53
S4	0	(low?power low adj power) near10 harddrive near10 buffer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 16:57

S5	0	(low?power low adj power) near10 harddrive	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 16:54
S6	0	(low?power low adj power) near50 harddrive	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 16:55
S7	109	harddrive	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 16:55
S8	1961	spin$4 near5 magnetic$4 near10 (disk? disc?)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 16:56
S9	1	spin$4 near5 magnetic$4 near10 (disk? disc?) near10 (low?power low adj power)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 16:57
S10	3	(low?power low adj power) near10 (harddrive disk? disc? hard adj (drive disk disc)) near10 buffer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 16:58
S11	3810	(harddrive disk? disc? hard adj (drive disk disc)) near10 buffer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 16:58
S12	2	(harddrive disk? disc? hard adj (drive disk disc)) near10 buffer near20 (rewind)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 16:59

S13	41	buffer near20 (rewind) near20 (point$3 locat$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 17:14
S14	2	circular near5 buffer near20 (rewind) near20 (point$3 locat$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 17:14
S15	18	circular near10 buffer near20 (rewind)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/04/04 17:14

DD(1)   FSF   DD(1)

NAME

dd - convert and copy a file

SYNOPSIS

dd [*OPTION*]...

DESCRIPTION

Copy a file, converting and formatting according to the options.

bs=BYTES
    force ibs=BYTES and obs=BYTES

cbs=BYTES
    convert BYTES bytes at a time

conv=KEYWORDS
    convert the file as per the comma separated keyword list

count=BLOCKS
    copy only BLOCKS input blocks

ibs=BYTES
    read BYTES bytes at a time

if=FILE
    read from FILE instead of stdin

obs=BYTES
    write BYTES bytes at a time

of=FILE
    write to FILE instead of stdout

seek=BLOCKS
    skip BLOCKS obs-sized blocks at start of output

skip=BLOCKS
    skip BLOCKS ibs-sized blocks at start of input

--help display this help and exit

--version
    output version information and exit

BYTES may be followed by the following multiplicative suffixes: xM M, c 1, w 2, b 512, kD 1000, k 1024, MD 1,000,000, M 1,048,576, GD 1,000,000,000, G 1,073,741,824, and so on for T, P, E, Z, Y. Each KEYWORD may be:

ascii from EBCDIC to ASCII

ebcdic from ASCII to EBCDIC

```
       ibm     from ASCII to alternated EBCDIC

       block   pad newline-terminated records with spaces to  cbs-
               size

       unblock
               replace  trailing  spaces  in cbs-size records with
               newline

       lcase   change upper case to lower case

       notrunc
               do not truncate the output file

       ucase   change lower case to upper case

       swab    swap every pair of input bytes

       noerror
               continue after read errors

       sync    pad every input block with NULs to ibs-size
```

REPORTING BUGS

      Report bugs to <bug-fileutils@gnu.org>.

SEE ALSO

      The full documentation for **dd** is maintained as a Texinfo
      manual.   If the **info** and **dd** programs are properly
      installed at your site, the command

              info dd

      should give you access to the complete manual.

GNU fileutils 4.0   November 1998   1
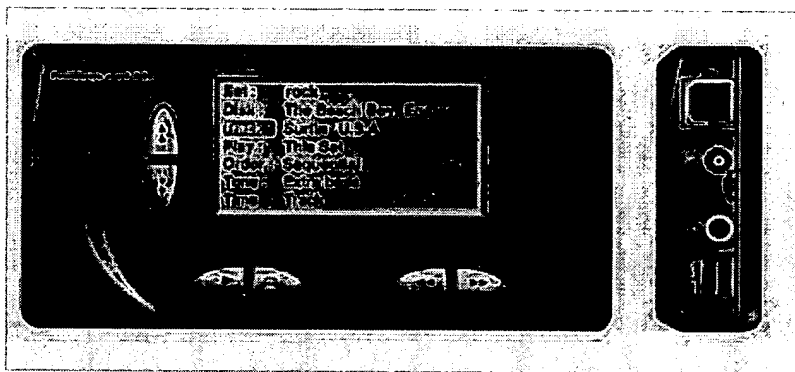
Personal JukeBox

www.pjbox.com

Introducing the most powerful MP3/Audio CD Player on earth.

Storage and Playback of MP3 Music up to 81 Hours capacity which covers approx. 1
Storage huge volume of songs equal to approx. 100 pieces (not 100 songs) of normal

HOME

PRODUCT INFORMATION

PRESS RELEASE

WHERE TO BUY

SUPPORT

CONTACT

Personal JukeBox PJB-100 NEW

Product Information

- Dealer/Press - Intranet Access Gateway. Click *here* to enter. (Password Required)

For active audio consumers who desire cutting edge features and capacity
of over 1200 songs for a handheld portable digital music player with lowest
cost per playback hour, Korean manufacturer HanGo, dba Remote Solution,
introduces the Personal JukeBox PJB-100

COMPAQ

Using licensed technologies from Compaq and Fraunhofer IIs the PJB 100
provides the ultimate flexibility of digital audio capture, via CD's or Internet,
in current MP3 digital audio format. Further, the Personal JukeBox can be
upgraded to process multiple, new, and secure digital audio standards.

Remote Solution's PJB 100 stores over 80 playback hours (1200 songs) or
120 CD's, and incorporates an IBM 4.86 GB, 2.5 inch hard drive selected
for its rugged reliability. The PJB 100 offers exceptional music capacity vs
cost less than $10 per playback hour vs $200 per playback hour for flash-
media storage units.

Designed by Compaq TM known for high quality, rugged portable
computing platforms, the Personal Juke Box is an audio industry first. The
PJB 100 includes Motorola's 24 bit Digital Signal Processor   which provides

high performance and low power MP3 decoding, using licensed technologies from Compaq, and Fraunhofer IIS. The PJB 100 also incorporates a USB interface for fast and hot-plugging connectivity. The PJB 100 offers fast direct digital transfers from a standard audio CD directly to MP3 files on the player.

Advanced buffering extends battery life by turning on the internal disc drive once every 10 minutes. With the supplied high capacity lithium-ion rechargeable battery, you get 10 hours playback time between charges. The universal AC adapter / charger operates from 100 to 240 volts and with included adapters allows connectivity to most of the world's power sources.

The three pairs of "point & click" controls offer simple operation with great flexibility. The large 128 x 64 graphic LCD allows viewing of CDDB data over the Internet and MP3 tag. The unit weighs 9.9 oz. and is easily tucked into any palm-sized space with outside dimensions of 150 x 80 x 26 mm

The included Jukebox Manager Software allows the user to easily customize and organize music as desired, using familiar Windows "Explore" model for viewing and managing Jukebox content. Through this manager one can customize play lists efficiently.

Click here for Specification

Standard accessories include high fidelity KOSS headphones, universal AC adapter, software CDROM for Jukebox Manager installation, USB cable, User Manual & Quick-start Reference and mini-to- twin RCA cable for playback through home audio systems. Optional accessories include external battery charger kit, an extra Lithium-Ion battery, and car audio adapter kit.

[HOME] [PRODUCT INFO] [PRESS RELEASE] [WHERE TO BUY]
[SUPPORT] [CONTACT]

House of net

Can you carry your CD collection in your pocket?
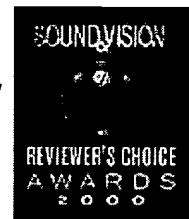
Yes, you can.
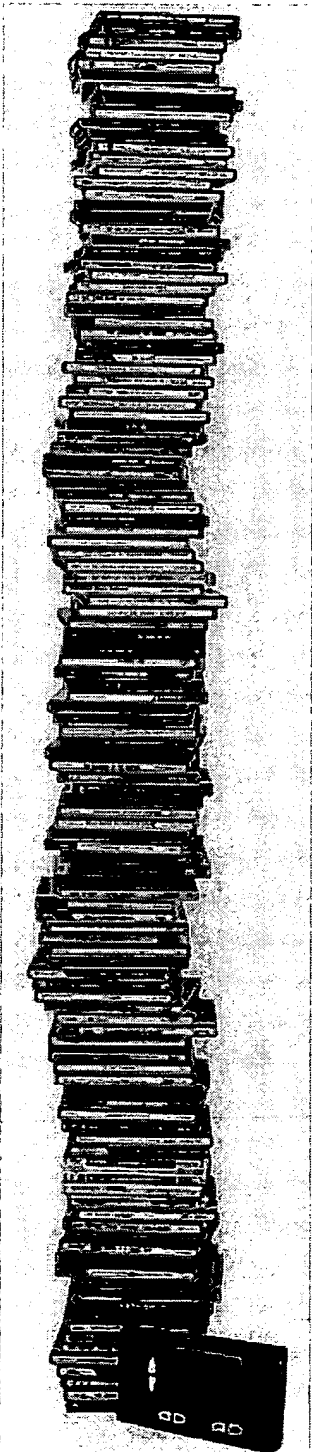
The **Personal Jukebox**, or PJB, was created as a prototype personal audio appliance by Compaq's Systems Research Center (SRC) and Palo Alto Advanced Development group (PAAD). The PJB project started in May 1998, and the PJB-100 product shipped in November 1999.

The PJB is a portable music player built around a small disk drive. A 30 GByte PJB will hold 550 hours of CD-quality audio. The battery lasts 10 to 11 hours on a single charge. The player weighs 9.5 ounces and can fit your jacket pocket. The audio quality is generally regarded as excellent, and the user interface is remarkably easy to learn and use. A 20 GByte PJB currently sells for around $550; the 6 GByte version is under $500.

Stereo Review's *Sound & Vision* magazine said:
> *In my 20 years of covering audio and video equipment, I can count on the fingers of one hand those products that gave me a spine-tingling "this changes everything" feeling. Now I can add the PJB-100 to the list.*

SOUNDVISION

REVIEWER'S CHOICE
A W A R D S
2 0 0 0

The PJB is being shipped as a product by our partner, HanGo Electronics (dba Remote Solutions). You can see their product specifications on their web site. You can also read several product reviews.

You can try out our Java emulation of the PJB User Interface. Or, of course, you could just buy a real one: try Hammacher-Schlemmer (U.S. mail and web order catalog), MP3FactoryDirect (U.S. distributor), or Uhu (European distributor).

For a slightly more detailed description of the PJB, see our PowerPoint presentation about it.

For information about the research project that created the PJB, please contact Andrew Birrell, Dave Redell, or Ted Wobber.

Opening up the covers, you'll find that the PJB is a fairly powerful special-purpose computer. It contains a Motorola 56309 digital signal processor (DSP), a 6.5 GByte hard disk, 12 MB of memory, 1 MB of

flash memory, a USB port, a high quality digital-to-analog converter, and a small LCD display. We currently use MPEG-2 layer-3 encoding technology (MP3) from Fraunhofer IIS to store compressed CD-quality digital audio on the hard disk. This results in a 11:1 size reduction over raw digital audio with little noticeable difference in sound quality (even when you play it over your home stereo). Because the PJB uses flash ROM and a general-purpose DSP, it's quite easy to upgrade it to use other compression algorithms, or even to use different algorithms for different tracks.

You download music into a PJB using a PC program called the Jukebox Manager. This program communicates with the PJB using a proprietary RPC protocol over the USB. It reads digital audio from a CD in a local CD-ROM drive, compresses the bit stream, and stores the result on the PJB hard disk. The Jukebox manager can also copy MP3 files from your PC into your PJB. The Jukebox Manager creates and manages a hierarchical table-of-contents (TOC), stored on the PJB, that makes it easy to find material in the PJB. The manager makes use of the Internet CDDB database to attach names to sets (categories), disks and tracks. Using the Jukebox Manager, it's easy to create personal playlists, to adjust the set/disk/track names to suit your personal tastes, and to move or copy items around within a TOC.

COMPAQ

Legal Statement Privacy Statement